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and soil name	Pct. of map unit	manure and food processing was	l-	Application of sewage sludg		Disposal of wastewater by irrigation	ı
		=		Rating class and limiting features		=	
13B: Olmitz	 - 35 	 Not limited 		 Not limited 		 Somewhat limited Too steep for surface application	0.08
Vesser	 - 30 	 Very limited Depth to saturated zone (NOV-JUL) 	 1.00 	saturated zone (NOV-JUL)	1.00 	 Very limited Depth to saturated zone (NOV-JUL) Too steep for surface application	1 1.00
Zook	20 	Very limited Restricted permeability	 1.00 1.00 1.00 0.50	saturated zone (NOV-JUL) Flooding 		i I	1.00
24D2: Shelby	 90 	 Somewhat limited Slope Restricted permeability Too acid	 1 0.63 1 0.30 1 0.02	Restricted permeability	 0.63 0.22 0.07	surface application Too steep for sprinkler application	 1.00 1.00 1.00.78 1.00.22
24E2: Shelby	 - 90 	Slope 	11.00	I I	1.00 	surface application	11.00
	 	Restricted permeability Too acid	0.30 0.02	permeability	0.22 0.07	sprinkler application	1.00 0.22

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and soil name	Pct. of map unit	manure and food processing was	l-	Application of sewage sludg 	re	Disposal of wastewater by irrigation 	
				 Rating class and limiting features 			
	 	 		 		 Too acid	0.07
51: Vesser	95 		1.00 	_	1.00 	 Very limited Depth to saturated zone (NOV-JUL)	11.00
		Flooding 	0.60 	Flooding 	1.00 	Flooding 	0.60
51+: Vesser	 90 	 Very limited Depth to saturated zone (NOV-JUL)	1.00	=	11.00		 1.00
	 	Flooding 	0.60 	Flooding	11.00	Flooding	0.60
51B: Vesser	 95 	· •		saturated zone (NOV-JUL)	1.00 		11.00
51B+: Vesser	 95 		1.00 		1.00 		 1.00 0.08
54: Zook	 95 		1.00	•	11.00	 Very limited Depth to saturated zone (NOV-JUL)	1 1.00
	 	Depth to saturated zone	1.00	Flooding 	11.00	Restricted permeability	1.00
	 	(NOV-JUL) Flooding 	 0.60 	 Restricted permeability	11.00	 Flooding 	 0.60
		Leaching limitation	0.50 	 		 	I I

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

and soil name	Pct. Application of		Application of sewage sludg 		Disposal of wastewater by irrigation	ı	
	 			Rating class and limiting features			
54+: Zook	 95 			=	11.00	 	1 1.00
	 	Depth to saturated zone (NOV-JUL)	1.00		1.00		11.00
	, 	Flooding Leaching	0.60 0.50	Restricted permeability	1.00	Flooding	0.60
F CD	 	limitation				 	
56B: Cantril	 90 					 Somewhat limited Depth to saturated zone (NOV-JUL)	 0.43
	 	Too acid 	0.02	Too acid 	0.07 	Too steep for surface application Too acid	0.08 0.07
58D2: Douds	 95 	•	 0.63	 Somewhat limited Slope 		surface	 1.00
	 	 Too acid 	 0.02 	 Too acid 	 0.07 	application Too steep for sprinkler application Too acid	 0.78 0.07
65E: Lindley	 95 			 Very limited Slope		 Very limited Too steep for surface	1 1.00
	 	 Restricted permeability	0.30	Too acid	0.31	application Too steep for sprinkler	11.00
	 	 Too acid 	10.08	Restricted permeability	0.22	Ì	 0.31
	 	 	 	 	 	Restricted permeability 	0.22
65E2: Lindley	 95	 Very limited		 Very limited	 	 Very limited	

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		1					
Map symbol and soil name	 Pct. of map unit	manure and food processing was	_	Application of sewage sludg 	e	Disposal of wastewater by irrigation 	1
	 	Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	
	 	 Slope 	11.00	 Slope 	11.00	 Too steep for surface application	 1.00
	 	Restricted permeability	0.30 	Too acid	0.31	Too steep for sprinkler application	11.00
	į Į	Too acid 	0.08	Restricted permeability	0.22	Too acid 	0.31 0.22
		 		 	 	Restricted permeability 	10.22
65F: Lindley	 95 	 Very limited Slope 	11.00	 Very limited Slope 	11.00	 Very limited Too steep for sprinkler application	1 1.00
		Restricted permeability	0.30	Too acid	0.31	Too steep for surface application	11.00
	i I	 Too acid 	0.08	Restricted permeability	0.22	Too acid 	0.31
	 	 	 	 	 	Restricted permeability 	0.22
65F2: Lindley	05	 Tom: limited		 		 Tom: limited	1
Efficiey		Slope	11.00	Very limited Slope 	11.00	Very limited Too steep for sprinkler application	11.00
	 	Restricted permeability	0.30	Too acid	0.31		11.00
	į Į	Too acid	0.08	Restricted permeability	0.22	Too acid 	0.31
	 	 	 	 	 	Restricted permeability 	0.22
80B: Clinton	 95 	 Somewhat limited Restricted		 Somewhat limited Restricted		 Somewhat limited Restricted	 0.22
	 	permeability Too acid I I	10.02	permeability Too acid I		permeability Too steep for surface application Too acid	 0.08 0.07
80C:	1	 			1	 	
Clinton	100	Somewhat limited	İ	Somewhat limited	İ	Somewhat limited	İ

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Map symbol and soil name	Pct. of map unit	manure and food processing was	l-	Application of sewage sludg 		Disposal of wastewater by irrigation 	n
	 			Rating class and limiting features			
		 Restricted permeability		Restricted permeability	 0.22 	 Too steep for surface application	 0.92
		Too acid 	0.02	Too acid 	0.07	Restricted permeability Too acid Too steep for sprinkler application	0.22 0.07 0.02
80C2: Clinton	 - 100 	Restricted	10.30	 Somewhat limited Restricted permeability	0.22	 Somewhat limited Too steep for surface application	 0.92
		 Too acid 	0.02	Too acid 	0.07	Application Restricted permeability Too acid Too steep for sprinkler application	0.22 0.07 0.02
80D2: Clinton	' - 95	 Somewhat limited		 Somewhat limited		 Very limited	į
				Slope	0.63	Too steep for surface application	11.00
		Restricted permeability		Restricted permeability		Too steep for sprinkler application	0.78
	i I	Too acid 	0.02	Too acid	0.07	Restricted permeability Too acid	0.22
93D2:		 		 	 	100 acid 	1
Adair	- 60 	. 4	11.00	Very limited Restricted permeability	1.00 	Very limited Too steep for surface application	11.00
	 	saturated zone	İ	Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	11.00
				Slope	0.63 		11.00

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Map symbol and soil name	Pct. of map unit	manure and food processing was	-	Application of sewage sludg	re	Disposal of wastewater by irrigation	1
	 	 Rating class and limiting features 		 Rating class and limiting features 		Rating class and limiting features	
	 	 	 	 		Too steep for sprinkler application	 0.78
Shelby	30	•	 0.63 	Somewhat limited Slope 	0.63	 Very limited Too steep for surface application	11.00
	i 	Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application	0.78
	 	Too acid 	0.02 	Too acid 	0.07 	= =	0.22 0.07
94E2: Caleb	 60	 Very limited Slope	 1.00	 Very limited Slope	 1.00	 Very limited Too steep for	 1.00
		 	1 10.08	 	 	surface application Too steep for	11.00
	 	100 de1d 		100 defd 		sprinkler application Too acid	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Mystic	35	 Very limited Restricted permeability	1 1.00	 Very limited Restricted permeability	1 1.00	 Very limited Too steep for surface application	1 1.00
	 	Slope 	1.00	Slope 	1.00		11.00
	 	Too acid 	0.08	Too acid 	0.31	Restricted permeability Too acid	11.00
130:						 	
Belinda			1.00 	permeability	1.00 	Very limited Restricted permeability	11.00
		Depth to saturated zone (NOV-JUL) Runoff limitation	1.00 0.40	Depth to saturated zone (NOV-JUL) 	11.00	Depth to saturated zone (NOV-JUL) 	1.00
131B: Pershing	95	 Very limited	 	 Very limited	 	 Very limited	

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Map symbol and soil name	Pct. of map unit	of manure and food- map processing waste		Application of sewage sludg	e	Disposal of wastewater by irrigation 	
	 	Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	
		Restricted permeability Depth to saturated zone (NOV-JUL)	11.00	permeability	11.00	permeability	 1.00 0.43
		Too acid 	0.08	Too acid 	0.31 	Too acid Too steep for surface application	0.31 0.08
131C2: Pershing	 90 	Restricted permeability Depth to	1.00	permeability Depth to	11.00	permeability Too steep for	11.00
	 	saturated zone (NOV-JUL) Too acid 	 0.08 	saturated zone (NOV-JUL) Too acid 	 0.31 	surface application Depth to saturated zone (NOV-JUL) Too acid Too steep for sprinkler application	 0.43 0.31 0.02
132B: Weller	 95 	 Very limited Restricted permeability Depth to saturated zone (NOV-JUL) Too acid	 1.00 10.43 1 10.08	permeability Depth to saturated zone (NOV-JUL)	1 1.00 1 1.00 1 1 1 1 1 1 1 1 1 1 1 1 1	permeability Depth to saturated zone (NOV-JUL)	 1.00 0.43 0.31 0.08
132C: Weller	 90 	 - Very limited Restricted permeability Depth to	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	permeability Depth to	1 1.00	permeability Too steep for	 1.00 0.92
		saturated zone (NOV-JUL) Too acid 	 0.08 	saturated zone (NOV-JUL) Too acid 	 0.31 	surface application Depth to saturated zone (NOV-JUL) Too acid	 0.43 0.31

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Map symbol and soil name	Pct. of map unit	manure and food processing was	l-	Application of sewage sludg		Disposal of wastewater by irrigation 	
				Rating class and limiting features			
	 	 	 	 	 	Too steep for sprinkler application	10.02
132C2:	i	' 	i	' 	i		i
Weller	- i 90 i	Very limited Restricted permeability	1.00 		1.00 		11.00
		Depth to saturated zone (NOV-JUL)		Depth to saturated zone (NOV-JUL)	1	Too steep for surface application	0.92
		Too acid 	0.08		•	Depth to saturated zone (NOV-JUL)	0.43
		 		 	 	Too acid Too steep for sprinkler application	0.31 0.02
179D2:	i	İ	i	İ	i	İ	i
Gara	- 90 	Somewhat limited Slope 		Somewhat limited Slope 	 0.63 	Very limited Too steep for surface application	 1.00
	i I I	Restricted permeability	0.30	Restricted permeability	0.22		0.78
		 - -	 	 - -	 	Restricted permeability	0.22
179E:	i		i		i	İ	i
Gara	- 90 	Very limited Slope 	11.00	Very limited Slope 		Very limited Too steep for surface application	11.00
	 	Restricted permeability	0.30	Restricted permeability	0.22		1.00 0.22
179E2: Gara	 - 90 	 Very limited Slope 	 1.00 	 Very limited Slope 		 Very limited Too steep for surface application	 1.00

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Map symbol and soil name	Pct. of map unit	manure and food processing was	_	Application of sewage sludg	e	Disposal of wastewater by irrigatior	1
	 	 Rating class and limiting features 		Rating class and limiting features 		Rating class and limiting features	Value
		Restricted permeability	 0.30 	 Restricted permeability 	 0.22 	Too steep for sprinkler application Restricted permeability	 1.00 0.22
179E3: Gara	 - 90 	 Very limited Slope 	11.00	 Very limited Slope 	11.00	 Very limited Too steep for surface application	11.00
		Restricted permeability	0.30	Restricted permeability	0.22		11.00
179F: Gara	 95 	 Very limited Slope 	1 1.00	 Very limited Slope 	1 1.00	 Very limited Too steep for sprinkler application	1 1.00
	 	Restricted permeability	0.30	Restricted permeability	0.22	Too steep for surface application Restricted permeability	11.00
179F2: Gara	 95 	 Very limited Slope 	 1.00	 Very limited Slope 	 1.00	sprinkler	 1.00
		 Restricted permeability 	 0.30 	 Restricted permeability 	 0.22 	surface application Restricted	 1.00 0.22
179F3: Gara	 95 	 Very limited Slope 	1 1 1 1 1 1 1 1 1 1	 Very limited Slope 	1 1.00	permeability Very limited Too steep for sprinkler	 1.00
	 	 Restricted permeability 	 0.30 	 Restricted permeability 	 0.22 	application Too steep for surface application	 1.00

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Map symbol and soil name	Pct. of map unit	manure and food processing was	_	Application of sewage sludge 		Disposal of wastewater by irrigation 	
		Rating class and limiting features				-	
		 	 	 		Restricted	10.22
192C2:	1	 	 	 	1	 	1
Adair	- 95 	Restricted	11.00	Very limited Restricted permeability	11.00	 Very limited Restricted permeability	11.00
		Depth to	11.00	Depth to saturated zone (NOV-JUL)		Depth to	11.00
	 	(3.01. 002)	 	(110 002)	 	Too steep for surface application	0.92
	 	 	 	 	 	Too steep for sprinkler application	0.02
192D2:		 	 		1	 	1
	- i 90 		11.00	Very limited Restricted permeability		 Very limited Too steep for surface	11.00
	 	saturated zone		Depth to saturated zone (NOV-JUL)	11.00	application Restricted permeability 	11.00
	 	Slope 	0.63 	Slope 	0.63 	Depth to saturated zone (NOV-JUL)	1.00
		 	 	 		Too steep for sprinkler application	0.78
211: Edina	- 100	•		 Very limited Restricted		 Very limited Restricted	1 1.00
		permeability Depth to	 1.00	permeability Depth to	11.00	permeability Depth to	11.00
	 	saturated zone (NOV-JUL) Runoff limitation Too acid	İ		Ì	(NOV-JUL)	 0.07
222C2: Clarinda	 - an	 Very limited	 	 Very limited	 	 Very limited	
Orarringa		Restricted	1.00	Restricted	11.00	Restricted permeability	11.00

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Map symbol and soil name	Pct. of map unit	manure and food- processing was		Application of sewage sludg	е	Disposal of wastewater by irrigation	1
		 Rating class and limiting features 		Rating class and limiting features		 Rating class and limiting features	Value
	 	Depth to saturated zone (NOV-JUL)	11.00	Depth to saturated zone (NOV-JUL)	11.00	 Depth to saturated zone (NOV-JUL)	11.00
		Runoff limitation	0.40 	Too acid 	0.07 	Too steep for surface application	0.92
	 	Too acid - -	0.02 	 	 	Too acid Too steep for sprinkler application	0.07 0.02
222C3:	i	 				 	
Clarinda	90 	Very limited Restricted permeability	 1.00 	Very limited Restricted permeability	11.00	Very limited Restricted permeability	11.00
		Depth to saturated zone (NOV-JUL)	1.00 	Depth to saturated zone (NOV-JUL)	1.00 	Depth to saturated zone (NOV-JUL)	11.00
	i I	Runoff limitation	0.40 		0.07		0.92
	 	Too acid 	0.02 	 		Too acid Too steep for sprinkler application	0.07 0.02
223C2:		 	 	 		 	
Rinda	90 	Very limited Restricted permeability	 1.00 	Very limited Restricted permeability	11.00	Very limited Restricted permeability	11.00
			1.00	Depth to saturated zone (NOV-JUL)	11.00	Depth to saturated zone (NOV-JUL)	11.00
		Runoff limitation	0.40	Too acid	0.07	Too steep for surface	0.92
	 	 Too acid 	 0.02 	 	 	application Too acid Too steep for sprinkler application	 0.07 0.02
223C3: Rinda	 90 		 1.00		11.00		11.00
	 	permeability Depth to saturated zone (NOV-JUL)	 1.00 	permeability Depth to saturated zone (NOV-JUL)	11.00	permeability Depth to saturated zone (NOV-JUL)	11.00

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Map symbol and soil name	Pct. Application of of manure and food- map processing waste unit		_			Disposal of wastewater by irrigation		
		Rating class and limiting features		Rating class and limiting features		Rating class and limiting features		
		Runoff limitation Too acid	0.40 1 0.02 1 1	Too acid	 0.07 	Too steep for surface application Too acid Too steep for sprinkler application	 0.92 0.07 0.02	
260: Beckwith	 95 	Restricted permeability Depth to saturated zone (NOV-JUL) Runoff limitation	1.00 1.00 	permeability Depth to saturated zone (NOV-JUL)	 1.00 1.00 0.31	permeability Depth to saturated zone (NOV-JUL)	 1.00 1.00 0.31	
261: Appanoose	 95 	Restricted permeability Depth to saturated zone (NOV-JUL) Runoff limitation	1.00 1.00 	permeability Depth to saturated zone (NOV-JUL)	1.00 1.00 		 1.00 1.00 0.31	
263: Okaw	 95 	permeability Depth to saturated zone (NOV-JUL) Runoff limitation	 1.00 1.00 1.00 1.00 0.40 0.08	permeability Depth to saturated zone (NOV-JUL) Flooding	11.00	permeability Depth to saturated zone (NOV-JUL) Too acid	11.00	
269: Humeston	90	Restricted permeability Depth to saturated zone (NOV-JUL) Flooding	 1.00 1.00 1.00 0.60 0.50	permeability Depth to saturated zone (NOV-JUL) Flooding	 1 1.00 1.00 1 1.00 0.07	permeability Depth to saturated zone (NOV-JUL) Flooding	 1.00 1.00 0.60 0.07	

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and soil name	Pct. of map unit	manure and food processing was	<u> </u>	Application of sewage sludg	re	Disposal of wastewater by irrigation	ı
	 	 Rating class and limiting features 		 Rating class and limiting features 		 Rating class and limiting features 	Value
		 Too acid	0.02	 		 	
273B: Olmitz	 90 	 Not limited 	 	 Not limited 		 Somewhat limited Too steep for surface application	 0.08
312B: Seymour	 90 	 Very limited Restricted permeability Depth to saturated zone (NOV-JUL) 	1 1.00 1 1.00 1 1 1 1 1 1 1 1 1 1 1 1 1	permeability	1.00	permeability	 1.00 0.43 0.08
312B2: Seymour	 95 	 Very limited Restricted permeability Depth to saturated zone (NOV-JUL)	11.00	permeability	11.00	permeability	1.00
313E2: Gosport	 95 	Restricted permeability Droughty Slope Depth to saturated zone		 		surface application	 1.00 1.00 1.00 0.98 0.97
	 	(NOV-JUL) Depth to bedrock 	0.46	 Depth to saturated zone (NOV-JUL)	 0.95 	 Depth to saturated zone (NOV-JUL)	 0.95

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Map symbol and soil name	Pct. of map unit	manure and food processing was	_	Application of sewage sludg	re	Disposal of wastewater by irrigation	1
	 	Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	
313G:							1
Gosport	95 	 Very limited Slope 	1.00	Very limited Restricted permeability	11.00	 Very limited Restricted permeability	11.00
	 	Restricted permeability	1.00 	Slope 	1.00 	Too steep for sprinkler application	11.00
	 	Droughty 	0.97	Low adsorption	11.00	= =	11.00
	 	Depth to saturated zone (NOV-JUL)	0.95	Droughty 	0.97	= =	0.97
	 	Depth to bedrock	0.46	Depth to saturated zone (NOV-JUL)	0.95	Depth to saturated zone (NOV-JUL)	0.95
313G2:		 		 		 	
Gosport	95 	Very limited Slope	11.00	Very limited Restricted permeability	11.00	Very limited Restricted permeability	11.00
	 	Restricted permeability	1.00		11.00		11.00
		Droughty 	0.97	Low adsorption	1.00	· • •	11.00
		Depth to saturated zone (NOV-JUL)	0.95	Droughty 	0.97	= =	0.97
		Depth to bedrock	0.46	Depth to saturated zone (NOV-JUL)	0.95	Depth to saturated zone (NOV-JUL)	0.95
362: Haig	 90 	 Very limited Restricted permeability	1.00 	saturated zone	 1.00	saturated zone	 1.00
	 	 Depth to saturated zone (NOV-JUL)	 1.00 	(NOV-JUL) Restricted permeability	 1.00 	(NOV-JUL) Restricted permeability 	11.00
	 	Leaching limitation	0.50	 	 	 	
364B:		 					
Grundy	95	Very limited		Very limited		Very limited	

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and soil name	Pct. of map unit	manure and food- processing was		Application of sewage sludg	e	Disposal of wastewater by irrigation	L
		 Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	Value
	 	permeability	 1.00 0.95 	Restricted permeability Depth to saturated zone (NOV-JUL)	 1.00 0.95 	Restricted permeability Depth to saturated zone (NOV-JUL) Too steep for surface application	 1.00 0.95 0.08
405: Floris	 90 	 Very limited Flooding	 1.00	 Very limited Flooding		 Very limited Flooding	 1.00
423D2: Bucknell	 90 	 Very limited Restricted permeability	 1.00 	 Very limited Restricted permeability	1.00	 Very limited Too steep for surface application	11.00
	i I I	Depth to saturated zone NOV-JUL)	1.00 	Depth to saturated zone (NOV-JUL)	11.00	Restricted permeability	11.00
	 	Slope Runoff limitation 	0.63 0.40 	Slope 	0.63 	Depth to saturated zone (NOV-JUL) Too steep for sprinkler application	1.00 0.78
423D3:	 	 	 			 	
Bucknell	90 	 Very limited Restricted permeability	 1.00	 Very limited Restricted permeability	11.00	 Very limited Too steep for surface application	11.00
	 	Depth to saturated zone (NOV-JUL)	 1.00 	Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	11.00
	 	Slope 	0.63 	Slope 	0.63 	Depth to saturated zone (NOV-JUL)	1.00
	 	Runoff limitation 	0.40 	 	 	Too steep for sprinkler application 	0.78
424D2: Lindley	 60 	•	 0.63 	 Somewhat limited Slope 	 0.63	 Very limited Too steep for surface application	 1.00

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and soil name	Pct. of map unit	manure and food processing was	_	Application of sewage sludg		Disposal of wastewater by irrigation	1
				Rating class and limiting features			
	 	Restricted permeability	10.30	 Too acid 	0.31	 Too steep for sprinkler application	 0.78
	 	Too acid 	10.08	Restricted permeability	0.22	Ī	0.31
	 	 		 		Restricted permeability	10.22
Keswick	 30 	-	11.00	 Very limited Restricted permeability		Very limited Too steep for surface	11.00
	 	saturated zone		 Depth to saturated zone (NOV-JUL)	11.00	application Restricted permeability 	11.00
	 	Slope	0.63	Slope	0.63	Depth to saturated zone (NOV-JUL)	11.00
	 	 Too acid 	0.08	 Too acid 	0.31	Too steep for sprinkler application	0.78
10.1-0	 	 	 	 		Too acid 	0.31
424E2: Lindley	I I 60	 Very limited		 Very limited		 Very limited	
Emarcy	00 	-		=		Too steep for surface application	11.00
	 	Restricted permeability	0.30 	Too acid 	0.31	Too steep for sprinkler application	11.00
	 	Too acid	0.08	Restricted permeability	0.22	Too acid 	0.31
		 		 		Restricted permeability	10.22
Keswick	I I 30	I IVerv limited	1	 Very limited	1	 Very limited	
	 	· •		=		Too steep for surface application	1.00
	 	Slope 	11.00	Slope 	11.00	Too steep for sprinkler application	11.00
	 	saturated zone		saturated zone		application Restricted permeability	11.00

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Map symbol and soil name	Pct. of map unit	manure and food processing was	l-	Application of sewage sludg		Disposal of wastewater by irrigation	
	 			Rating class and limiting features			
	 	 Too acid 	 0.08 	 Too acid 	0.31	Depth to saturated zone (NOV-JUL) Too acid	 1.00 0.31
425C: Keswick	 85 	Very limited	11.00	Depth to saturated zone (NOV-JUL)	1.00 1.00 	Depth to saturated zone (NOV-JUL) Too steep for surface application Too acid Too steep for	 1.00 1.00 0.92 0.31 0.02
425C2: Keswick	 85 	Restricted permeability Depth to saturated zone (NOV-JUL)	11.00		11.00	sprinkler application Very limited Restricted permeability Depth to saturated zone (NOV-JUL) Too steep for surface application	1.00
425D: Keswick				 - - - - Very limited		Too acid Too steep for sprinkler application Very limited	0.31 0.02
	 	Restricted permeability Depth to saturated zone (NOV-JUL)	i 	•		application Restricted	1.00 1.00
	 	Slope 	0.63	Slope 	0.63 	Depth to saturated zone (NOV-JUL)	11.00

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and soil name	Pct. of map unit	manure and food processing was	_	Application of sewage sludg	re	Disposal of wastewater by irrigation	ı
	 	Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	
	 	 Too acid 	 0.08 	 Too acid 	0.31	Too steep for sprinkler application Too acid	 0.78 0.31
425D2: Keswick	 85 	 Very limited Restricted permeability 	 1.00 	 Very limited Restricted permeability 	 1.00 	 Very limited Too steep for surface application	 1.00
		Depth to saturated zone (NOV-JUL)	1.00 	Depth to saturated zone (NOV-JUL)	1.00 	Restricted permeability 	1.00
		Slope 	0.63 	Slope 	0.63 	Depth to saturated zone (NOV-JUL)	1.00
		Too acid 	0.08 	Too acid 	0.31 	Too steep for sprinkler application	0.78
425D3:	 	 		 	 	Too acid	0.31
Keswick	85 	 Very limited Restricted permeability 	11.00	 Very limited Restricted permeability 	11.00	 Very limited Too steep for surface application	11.00
	 	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	11.00		11.00
	 	Slope	0.63		0.63	Depth to saturated zone (NOV-JUL)	11.00
	 	Too acid 	0.08	Too acid 	0.31		0.78
430:		 		 	 	Too acid	0.31
Ackmore	90 		11.00		11.00	 Very limited Depth to saturated zone (NOV-JUL)	11.00
		Flooding 	0.60 	Depth to saturated zone (NOV-JUL)	1.00 	Flooding 	0.60
451D2: Caleb	 90	 Somewhat limited		 Somewhat limited	 	 Very limited	

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Map symbol and soil name	Pct. of map unit	manure and food processing was	l-	Application of sewage sludg	re	Disposal of wastewater by irrigation	n
	 _	 Rating class and limiting features 		 Rating class and limiting features 		Rating class and limiting features	Value
	 	 Slope 	 0.63 	 Slope 	 0.63 	 Too steep for surface application	 1.00
	 	Too acid - - -	0.08	Too acid 	0.31	· • •	0.78 0.31
452C2: Lineville	 - 90	 Very limited Restricted	 1.00	 Very limited Restricted	 1.00	 Very limited Restricted	 1.00
	 	permeability Depth to dense layer	11.00	permeability Depth to saturated zone (NOV-JUL)	11.00	permeability Depth to saturated zone (NOV-JUL)	11.00
		Depth to saturated zone (NOV-JUL) 	1.00	(NOV COL) 		Too steep for surface application Too steep for sprinkler application	0.92 0.02
453:		 	į Į	, 	į Į	 	
Tuskeego	- 95 	Very limited Restricted Permeability Depth to saturated zone (NOV-JUL) Leaching	 1.00 1.00 0.50	permeability Depth to saturated zone (NOV-JUL)	 1.00 1.00 0.40	permeability Depth to saturated zone (NOV-JUL)	1.00 1.00 1.00
		limitation Too acid	10.02	İ	10.07		
484: Lawson	 - 85 	 Very limited Depth to saturated zone	11.00	 Very limited Flooding 	11.00	saturated zone	11.00
	 	(NOV-JUL) Flooding 	0.60	 Depth to saturated zone (NOV-JUL) 	11.00	(NOV-JUL) Flooding 	0.60
520: Coppock	 - 95 	 Very limited Depth to saturated zone (NOV-JUL)	11.00	 Very limited Flooding 	11.00	 Very limited Depth to saturated zone (NOV-JUL)	1 1.00

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* *	Pct. of map unit	manure and food processing was	_	Application of sewage sludg	e	Disposal of wastewater by irrigation	1
		 Rating class and limiting features 		 Rating class and limiting features 		Rating class and limiting features	
	 	 Flooding 	0.60	Depth to saturated zone NOV-JUL)	11.00	 Flooding 	 0.60
520B: Coppock	 95 	 Very limited Depth to saturated zone (NOV-JUL) 	 1.00 1.00 	 Very limited Depth to saturated zone (NOV-JUL) Flooding			11.00
531B: Kniffin	 95 	Restricted permeability Depth to saturated zone (NOV-JUL)		saturated zone (NOV-JUL)	1.00 	permeability Depth to saturated zone (NOV-JUL)	 1.00 0.43 0.31 0.08
531C: Kniffin	 95 	Restricted permeability Depth to saturated zone (NOV-JUL)	1.00	 Very limited Restricted permeability Depth to saturated zone (NOV-JUL) Too acid	1.00		 1.00 0.92 1 0.43 1 0.31 0.02
531C2: Kniffin	 90 	 Very limited Restricted permeability Depth to saturated zone (NOV-JUL)	1.00	permeability	1.00	 Very limited Restricted permeability Too steep for surface application	11.00

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Map symbol and soil name	Pct. of map unit	manure and food processing was	l-	Application of sewage sludg		Disposal of wastewater by irrigation	n
	 	 Rating class and limiting features 		Rating class and limiting features			
		Too acid 	1 0.08	Too acid Too acid 	0.31	Depth to saturated zone (NOV-JUL) Too acid Too steep for sprinkler application	 0.43 0.31 0.02
532B: Rathbun	 90	 Very limited		 Very limited	1	 Very limited	
1.001.001.001		Restricted permeability		Restricted	11.00	Restricted permeability	1.00
	 	Depth to	0.43	Depth to		Depth to	0.43
		saturated zone (NOV-JUL)		(NOV-JUL)		saturated zone (NOV-JUL)	
	 	Too acid 	0.08 	Too acid 	0.31 	Too acid Too steep for surface application	0.31 0.08
532C: Rathbun	 90	 Very limited		 Very limited		 Very limited	
	 	Restricted permeability	1.00 	Restricted permeability	11.00	Restricted permeability	1.00
		Depth to saturated zone		Depth to saturated zone	0.43	surface	0.92
	 	(NOV-JUL) Too acid 	 0.08 	(NOV-JUL) Too acid 		application Depth to saturated zone (NOV-JUL)	10.43
	 	 		 		Too acid Too steep for sprinkler application	0.31
532C2: Rathbun	l I 90	 Very limited	 	 Very limited	1	 Very limited	1
	 	Restricted permeability	1.00	Restricted permeability	11.00	Restricted permeability	11.00
	 	Depth to saturated zone		Depth to	0.43	Too steep for surface	0.92
] 	(NOV-JUL) Too acid	10.08	(NOV-JUL)		application Depth to	10.43
	 					saturated zone (NOV-JUL) Too acid	10.43

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and soil name	Pct. of map unit	manure and food processing was	l-	Application of sewage sludg 	ie	Disposal of wastewater by irrigation 	ı
	 	Rating class and limiting features 		Rating class and limiting features		Rating class and limiting features	Value
	 	 	 	 	 	 Too steep for sprinkler application	 0.02
587: Chequest	 90 	 Very limited Depth to saturated zone (NOV-JUL) Flooding Restricted permeability	 1.00 0.60 0.30	saturated zone (NOV-JUL) Flooding	 1.00 1.00 0.22	saturated zone (NOV-JUL) Flooding	 1.00 0.60 0.22
592C2: Mystic	 90 	 Very limited Restricted permeability Too acid 	 1.00 1.00 0.08 1 1	 Very limited Restricted permeability Too acid 	 1.00 0.31 		 1.00 0.92
592D2: Mystic	 90 	 Very limited Restricted permeability Slope Too acid	 1.00 1 0.63 0.08 1	permeability Slope	 1.00 0.63 0.31	surface application Restricted permeability	 1.00 1.00 0.78
592D3: Mystic	 90 	 Very limited Restricted permeability Slope	 1.00 0.63	 Very limited Restricted permeability Slope	 1.00 0.63	 Very limited Too steep for surface application Restricted permeability	 1.00 1.00
	 	 Too acid 	0.08	Too acid 	0.31	Too steep for sprinkler application	0.78

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Map symbol and soil name	Pct. of map unit	manure and food- processing was	-	Application of sewage sludg		Disposal of wastewater by irrigation 	
	 			Rating class and limiting features			
	- i i	 	 	 	 	 Too acid 	0.31
594C2: Galland	 - 90 	 Very limited Restricted permeability Runoff limitation 	1.00 	permeability			 1.00 0.92 0.02
594D2: Galland	90	Restricted permeability	1.00	permeability Slope	1.00 		 1.00 1.00 0.78
715: Nodaway	- 50	 Somewhat limited Flooding		 Very limited Flooding		 Somewhat limited Flooding	 0.60
Amana	 - 35 	Flooding	0.60		1.00 0.43		 0.60 0.43
730B: Nodaway	- 60 	 Somewhat limited Flooding			11.00	 Somewhat limited Flooding	10.60
Cantril	- 30	saturated zone (NOV-JUL)	 0.43 0.02 	Depth to saturated zone (NOV-JUL)	 0.43 0.07 1	Depth to saturated zone (NOV-JUL)	 0.43 0.08 0.07

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Map symbol and soil name	Pct. of map unit	manure and food processing was	l-	Application of sewage sludg	e	Disposal of wastewater by irrigation	1
	 	 Rating class and limiting features 		Rating class and limiting features		Rating class and limiting features	Value
792C: Armstrong	 85 	 Very limited Restricted permeability Depth to saturated zone (NOV-JUL) 	 1.00 1.00 		 1 1.00 1.00 1 1 1 1		 1.00 1.00 1.00 1.00 1.00.92
792C2: Armstrong	85 		 1.00 1.00 	permeability	 1.00 1.00 		 1.00 1.00 0.92 0.02
792C3: Armstrong	 85 		 1.00 1.00 		 1.00 1.00 		 1.00 1.00 0.92 0.02
792D: Armstrong	85 	 Very limited Restricted permeability 	11.00	 Very limited Restricted permeability	11.00	 Very limited Too steep for surface application	11.00

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* *	Pct. of map unit	manure and food processing was	l-	Application Disposal of of sewage sludge wastewater by irrigation			1
 		 Rating class and limiting features 		Rating class and limiting features		Rating class and limiting features	Value
		 Depth to saturated zone (NOV-JUL)	11.00	Depth to saturated zone (NOV-JUL)	1.00	 Restricted permeability	11.00
	<u> </u>	Slope	0.63		0.63	saturated zone	11.00
	 	 	 	 	 	(NOV-JUL) Too steep for sprinkler application	0.78
792D2: Armstrong	 85	 Very limited Restricted	 1.00	 Very limited Restricted	 1.00	 Very limited Too steep for	 1.00
	i 	permeability		permeability	 	surface application	
	 	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00 	Restricted permeability	11.00
		Slope	0.63	Slope	0.63	Depth to saturated zone (NOV-JUL)	11.00
	 	 				Too steep for sprinkler application	0.78
792D3: Armstrong	 85	 Verv limited		 Very limited	 	 Very limited	
		Restricted permeability		Restricted permeability	1.00	•	11.00
	<u> </u>	Depth to saturated zone	1.00	saturated zone	1.00	= =	11.00
	 	(NOV-JUL) Slope 	 0.63 	(NOV-JUL) Slope 	0.63	 Depth to saturated zone (NOV-JUL)	11.00
	 	 	 	 	 	Too steep for sprinkler application	0.78
795D2: Ashgrove	 90 	 Very limited Restricted	11.00		11.00		11.00
	 	permeability Depth to saturated zone (NOV-JUL)	 1.00 	permeability Depth to saturated zone (NOV-JUL)	 1.00 	permeability Too steep for surface application	11.00

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	manure and food- processing was		Application Disposal of of sewage sludge wastewater by irrigati			
	 	 Rating class and limiting features 		 Rating class and limiting features 			
	 	 Slope 	 0.63 	 Slope 	 0.63 	 Depth to saturated zone (NOV-JUL)	11.00
	 	Runoff limitation	0.40 	 Too acid 	0.31		0.78
00000	į	Too acid	0.08	 -	į	Too acid	0.31
822D2: Lamoni	 90 	 Very limited Restricted permeability 	 1.00 	 Very limited Restricted permeability 	1 1.00	 Very limited Too steep for surface application	1 1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	11.00	Restricted permeability	11.00
			0.63	, ,	0.63	Depth to saturated zone (NOV-JUL)	11.00
		 Too acid 	0.01	 Too acid 	0.01	Too steep for sprinkler application	0.78
		 	 	 		Too acid 	0.01
831B: Pershing	 95 		 1.00		1 1.00	'	1 1.00
		permeability Depth to saturated zone (NOV-JUL)	 0.43 	permeability Depth to saturated zone (NOV-JUL)	0.43	permeability Depth to saturated zone (NOV-JUL)	10.43
	 		 0.08 		0.31		0.31 0.08
831C2: Pershing	 90 	Restricted	 1.00	 Very limited Restricted	11.00		11.00
	 	permeability Depth to saturated zone (NOV-JUL)	 0.43 	permeability Depth to saturated zone (NOV-JUL)	0.43	permeability Too steep for surface application	10.92
	 		0.08 	Too acid 	0.31		0.43

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and soil name	Pct. of map unit	manure and food processing was	_	Application of sewage sludg	re	Disposal of wastewater by irrigation		
	 	Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	Value 	
	 	 		 		Too steep for sprinkler application	 0.02 	
832B:							Ţ	
Weller	95 	Very limited Restricted permeability Depth to	1.00	Very limited Restricted permeability Depth to		Very limited Restricted permeability Depth to	 1.00 0.43	
	 	saturated zone (NOV-JUL)		saturated zone (NOV-JUL)		saturated zone (NOV-JUL)		
	 	Too acid	0.08		0.31		0.31 0.08 	
832C2:	İ	İ	i	İ	i	İ	i	
Weller	90 	Very limited Restricted permeability	11.00	Very limited Restricted permeability	 1.00 	Very limited Restricted permeability	11.00	
	 	Depth to saturated zone (NOV-JUL)	0.43	Depth to saturated zone (NOV-JUL)	0.43	Too steep for surface application	0.92 	
	 	Too acid 	0.08		0.31		0.43	
	 	 	 	 		Too acid Too steep for sprinkler application 	0.31 0.02 	
993D2: Gara	 60 	 Somewhat limited Slope 	0.63	 Somewhat limited Slope	0.63	surface	1 1.00	
	 	 Restricted permeability	10.30	 Restricted permeability	0.22	sprinkler	10.78	
	 	 		 	 	application Restricted permeability	10.22	
Armstrong	 30 	 Very limited Restricted permeability 	1 1.00	 Very limited Restricted permeability 	1 1.00	 Very limited Too steep for surface application	 1.00 	

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and soil name	Pct. of map unit	manure and food processing was	l-	Application Disposal of of sewage sludge wastewater by irrigatio			1
	 			Rating class and limiting features			Value
		 Depth to saturated zone (NOV-JUL)	11.00	Depth to saturated zone (NOV-JUL)	11.00	 Restricted permeability	11.00
		Slope 	0.63	Slope	0.63	Depth to saturated zone (NOV-JUL)	11.00
	 					Too steep for sprinkler application	0.78
993D3:		 		 		 	ì
Gara	60 	Somewhat limited Slope 	0.63	Somewhat limited Slope 	0.63	Very limited Too steep for surface application	11.00
	 	Restricted permeability	0.30	Restricted permeability	0.22		0.78
	 	 	 	 		Restricted permeability	0.22
Armstrong	30	 Very limited Restricted permeability	11.00	 Very limited Restricted permeability		 Very limited Too steep for surface application	11.00
	 	Depth to saturated zone (NOV-JUL)	11.00		11.00	Restricted permeability	11.00
	 	Slope	0.63		0.63	Depth to saturated zone (NOV-JUL)	11.00
	 		 		 	Too steep for sprinkler application	0.78
994E2: Douds	 60 		 1.00	 Very limited Slope 		 Very limited Too steep for surface	 1.00
	 	 Too acid 	 0.02 	 Too acid 	 0.07 	application Too steep for sprinkler application	 1.00
						Too acid	0.07
Galland	40	 Very limited		Very limited		 Very limited	

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Map symbol Pc and soil name o ma un		manure and food- processing was	-	Application of sewage sludg		Disposal of wastewater by irrigation		
				Rating class and limiting features				
	 	Restricted permeability		Restricted	11.00	Too steep for surface application	11.00	
	, 	Slope 	1.00	Slope	1.00	• • •	11.00	
	 	 Runoff limitation 	0.40	 	 	Restricted permeability	11.00	
1130: Belinda	95 	Restricted permeability Depth to saturated zone	1.00 1.00	Restricted permeability Depth to saturated zone	1.00 1.00	 Very limited Restricted permeability Depth to saturated zone	11.00	
	 	(NOV-JUL) Runoff limitation 	 0.40 	(NOV-JUL) 	 	(NOV-JUL) 		
1139: Perks Variant	 85 	Flooding Filtering capacity	1.00 1.00	Flooding Filtering capacity	1.00 1.00	 Very limited Flooding Filtering capacity 	 1.00 1.00 	
1260:		 					i	
Beckwith	95 	Restricted permeability Depth to saturated zone (NOV-JUL) Runoff limitation	1.00 1.00 	Restricted permeability Depth to saturated zone (NOV-JUL) Too acid	1.00 1.00 	Very limited Restricted permeability Depth to saturated zone (NOV-JUL) Too acid	 1.00 1.00 0.31	
1715:		 			i		i	
Nodaway		Somewhat limited Flooding		Very limited Flooding		Somewhat limited Flooding	 0.60	
Lawson	25 	 Very limited Depth to saturated zone (NOV-JUL) Flooding	 1.00 0.60	 	1.00	 Very limited Depth to saturated zone (NOV-JUL) Flooding	11.00	

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Map symbol and soil name	 Pct. of map unit		_	 Application of sewage sludg 	 Disposal of wastewater by irrigatior 	ater	
	 			Rating class and limiting features			
Ackmore	20	Depth to saturated zone (NOV-JUL)	11.00	 Very limited Flooding Depth to saturated zone (NOV-JUL)	1.00 	saturated zone (NOV-JUL)	 1.00 0.60
1977: Richwood Variant	1	 Not limited	 	 Not limited		 Not limited	
5010: Pits	 	 		 Not rated		 Not rated	i I
5020: Pits	 	 	 	 	 	 	
5021: Orthents	 100 	 Not rated 	 	 Not rated 	 	 Not rated 	
5030: Pits	 100 	 Not rated 	; 	 Not rated 	 	 Not rated 	
5040: Orthents	 100 	 Not rated 	 	 Not rated 	 	 Not rated 	

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Davis County, Iowa

Map symbol and soil name			Application of sewage sludd		Disposal of wastewater by irrigation		
	 	Rating class and limiting features 		Rating class and limiting features 			Value
W: Water	 100 	 Not rated 	 	 Not rated 	 	 Not rated 	

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